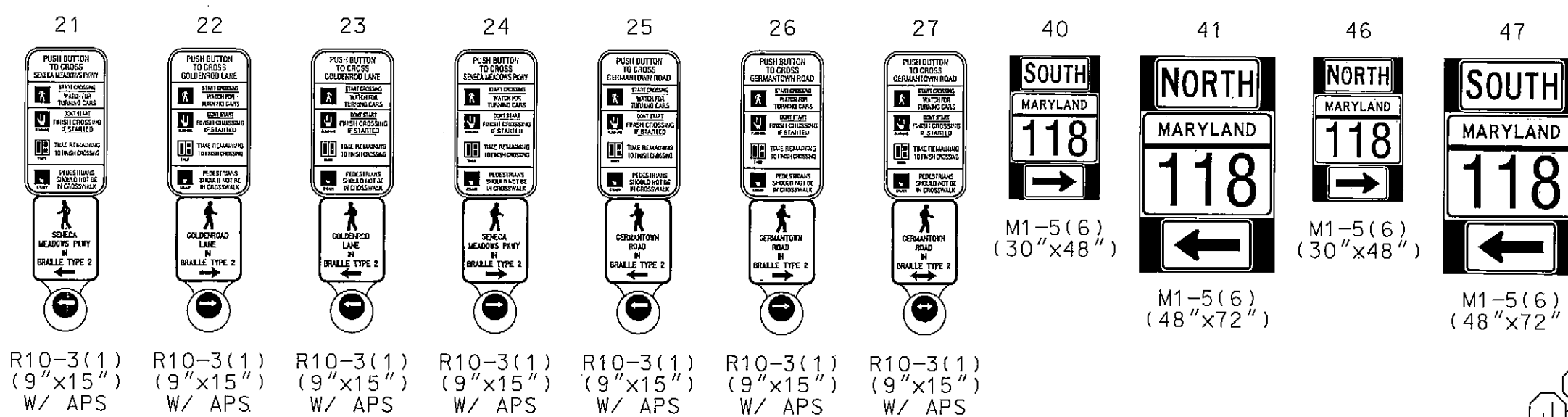


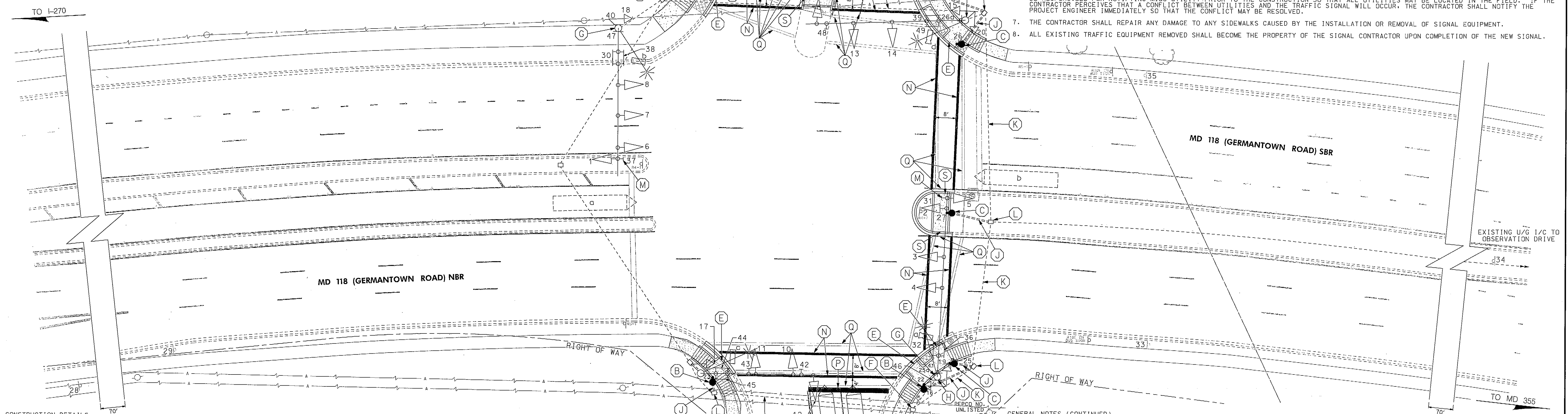
PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.



GENERAL NOTES

1. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE MONTGOMERY COUNTY ENGINEER.
2. THE CONTRACTOR SHALL COORDINATE WITH MONTGOMERY COUNTY TO CONTACT THE LOCAL POWER COMPANY TO SET UP WORK TO DISCONNECT THE EXISTING SERVICE AND HAVE THE NEW SERVICE ENERGIZED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS, PROPERLY LABELING EACH CABLE, AND REMOVING AND DISPOSING OF ALL UNUSED CABLE. THE MONTGOMERY COUNTY SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
4. THE CONTRACTOR SHALL NOTIFY MR. KAMUL HAMUD 72 HOURS IN ADVANCE OF INTENDED WORK.
5. THE CONTRACTOR SHALL DELIVER APS PUSHBUTTONS AND THE CENTRAL CONTROL UNIT TO THE MONTGOMERY COUNTY TECHNICAL CENTER, 1283 SEVEN LOCKS ROAD, ROCKFORD, IL 60087, AT LEAST 72 HOURS PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL ALSO HAVE THE APS MESSAGES PROGRAMMED FROM THE FACTORY AND DELIVER THE APS' WAV FILES TO MONTGOMERY COUNTY TECHNICAL CENTER.
6. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE PROJECT ENGINEER PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
7. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO ANY SIDEWALKS CAUSED BY THE INSTALLATION OR REMOVAL OF SIGNAL EQUIPMENT.
8. ALL EXISTING TRAFFIC EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.



CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH 5 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE (STANDARD NO. MD-801.01-01), AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS SENECA MEADOWS PKWY") (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE).
- B. INSTALL CONCRETE FOUNDATION WITH 5 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE (STANDARD NO. MD-801.01-01), AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS GOLDENROD ROAD") (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE).
- C. INSTALL CONCRETE FOUNDATION WITH 5 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE (STANDARD NO. MD-801.01-01), AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, AND R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS GERMANTOWN ROAD") (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE).
- D. USE EXISTING BASE MOUNTED CABINET/CONTROLLER. INSTALL 2-WIRE CENTRAL CONTROL UNIT.
- E. INSTALL MODIFIED SIDEWALK RAMP (SEE SG-02) AND DETECTABLE WARNING SURFACE (STANDARD NO. MD-655.40).
- F. USE EXISTING HANDHOLE. PULL BACK EXISTING TRAY CABLE AND REROUTE TO METERED SERVICE PEDESTAL.
- G. INSTALL NEW SHEET ALUMINUM SIGNS ON EXISTING SIGNAL POLE.
- H. REMOVE EXISTING PEDESTRIAN PUSHBUTTON, SIGN, AND ALL ASSOCIATED ELECTRICAL CABLES.
- I. INSTALL 2 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT (TRENCHED).
- J. USE EXISTING CONDUIT.
- L. USE EXISTING HANDHOLE.
- M. REMOVE EXISTING OVERHEAD SIGN.
- N. INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE FOR CROSSWALK.

GENERAL NOTES (CONTINUED)

9. ALL SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE TO MEET CLEARANCES AS SPECIFIED IN MD 816.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE LOCATIONS AND GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
10. LOCATIONS OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SECTIONS 4E.08 AND 4E.10 AND FIGURES 4E-3 AND 4E-4 AND THE NCHRP PUBLICATION "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE." IF NOT MET, THE CONTRACTOR MUST STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
11. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
12. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18 INCHES FROM A 60-INCH BY 60-INCH LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2 PERCENT.
13. THE 10-FOOT MINIMUM SEPARATION BETWEEN PUSHBUTTONS IS TO BE MET ON THE FACE OF THE PUSHBUTTON TO THE FACE OF THE PUSHBUTTON, NOT FROM CENTER OF POLE TO CENTER OF POLE.
14. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
15. ALL CROSSWALKS SHALL BE CENTERED TO THE PROPOSED SIDEWALK RAMPS.
16. REFER TO DETAIL SHEET SG-02 FOR CURB RAMP DETAILS AND SIGNAL POLE LOCATIONS.

SHA

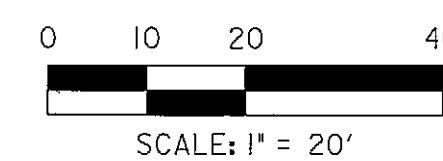
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 118 (GERMANTOWN ROAD) AT
GOLDENROD LANE/SENECA MEADOWS PARKWAY
GERMANTOWN, MARYLAND

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Engineers & Planners
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Baltimore, Maryland 21202
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- P. INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE FOR STOP LINE.
- Q. REMOVE EXISTING PAVEMENT MARKINGS.
- R. ADJUST EXISTING VIDEO DETECTION ZONE (TO BE DONE BY MONTGOMERY COUNTY).
- S. INSTALL SIDEWALK CUT-THROUGH (STANDARD NO. MD-655.21) AND DETECTABLE WARNING SURFACE (STANDARD NO. MD-655.40).



BY: NJMonaco

<u>GEOMETRIC LEGEND</u>	
----	EXISTING
----	PROPOSED

<u>UTILITY LEGEND</u>	
=====	STORM DRAIN
- G -	GAS MAIN
- W -	WATER MAIN
- SAN -	SEWER MAIN
- E -	ELECTRIC CABLES
- A -	AERIAL CABLES
- T -	TELEPHONE CABLES
- FO -	FIBER-OPTIC

APPROVALS	
TEAM LEADER	ORIGINAL ON FILE
ASST. DIR. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS					
(A)	INSTALL APS, CPS, AND ADA COMPLIANT CURB RAMPS			06/09/13 SH4 NO. X72385TMS NO. A0225	
B5H		D58 → MLC Jm			

TRAFFIC SIGNALIZATION PLAN			
SCALE	1" = 20'	DATE	JUNE 2003
		CONTRACT NO.	BW966M82
DESIGNED BY		COUNTY	MONTGOMERY
DRAWN BY	REA	LOGMILE	15011B06.52
CHECKED BY	CDR	T.I.M.S. NO.	F580
F.A.P. NO.		T.O.D. NO.	
T.S. NO.	4247A	SG-01 OF SG-03	SHEET NO. 1 OF 3

PLOTTED: Friday, August 09, 2013 AT 01:18 PM
FILE: I:\5212 - TEDD\23 (PB 151) - MD 118, MD 185 Signals\Design\Engineering\PlanSet\MD 118 at Goldenrod-Serena Meadows (TS 4247)\pSG-P001 TS4247A.dgn